This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-10 (canceled)

Claim 11 (currently amended): Sensor for transmission measurement in a washing machine or dishwasher, the sensor comprising [[~~with~~]]:

- a carrier [[~~(2, 104),~~]] to which

[[–]] a transmitter [[~~(4, 106)~~]] is attached [[~~to the carrier (2, 104) to emit~~]] for emitting a transmitter beam [[~~(8)~~]], and to which

[[–]]a receiver [[~~(6, 108)~~]] is attached [[~~to the carrier (2, 104)~~]] to receive [[~~the beam generated by~~]] radiation from the transmitter [[~~(4, 106)~~]], wherein the carrier comprises a first leg to which the transmitter is attached and a second leg to which the receiver is attached opposite the transmitter, and

- a diaphragm system [[~~(12, 128)~~]] arranged [[~~on~~]] separate from the carrier [[~~(2, 104)~~]] and spaced from the transmitter [[~~(4, 106)~~]], the diaphragm system comprising a diaphragm opening [[~~with a transmitter diaphragm (14, 130)~~]] arranged in [[~~the beam~~]] a path of the transmitter beam in order to generate a measurement beam [[~~(18) aligned~~]] directed to the receiver [[~~(6, 108)~~]].

Claim 12 (currently amended): Sensor for transmission measurement in a washing machine or dishwasher, the sensor comprising [[~~with~~]]:

- a carrier [[~~(2, 104),~~]] to which

[[-]] a transmitter [[~~(4, 106)~~]] is attached [[~~to the carrier (2, 104) to emit~~]] for emitting a transmitter beam [[~~(8)~~]], and to which

[[-]] a receiver [[~~(6, 108)~~]] is attached [[~~to the carrier (2, 104)~~]] to receive [[~~the beam generated by~~]] radiation from the transmitter [[~~(4, 106)~~]], wherein the carrier comprises a first leg to which the transmitter is attached and a second leg to which the receiver is attached opposite the transmitter, and

- a diaphragm system [[~~(12, 128)~~]] arranged [[~~on~~]] separate from the carrier [[~~(2, 104)~~]] and spaced from the receiver [[~~(6, 108)~~]], wherein the diaphragm system comprises [[~~with~~]] a [[~~receiver~~]] diaphragm opening [[~~(16, 132)~~]] arranged in [[~~the beam~~]] a path of the transmitter beam [[~~(8)~~]] to generate a reception beam aligned to the receiver [[~~(6, 108)~~]].

Claim 13 (currently amended): Sensor for transmission measurement in a washing machine or dishwasher, the sensor comprising [[~~with~~]]:

- a carrier [[~~(2, 104) ,~~]] to which

[[-]] a transmitter [[~~(4, 106)~~]] is attached [[~~to the carrier (2, 104) to emit~~]] for emitting a transmitter beam [[~~(8)~~]], and to which

[[-]]a receiver [[~~(6, 108)~~]] is attached [[~~to the carrier (2, 104)~~]] to receive [[~~the beam generated by~~]] radiation from the transmitter [[~~(4, 106)~~]], wherein the carrier comprises a first leg to which the transmitter is attached and a second leg to

which the receiver is attached opposite the transmitter, and

- a diaphragm system [[~~(12, 128)~~]] arranged [[~~on~~]] separate from the carrier [[~~(2, 104)~~]] and spaced from the transmitter [[~~(4, 106)~~]] and the receiver [[~~(6, 108)~~]], the diaphragm system comprising [[~~with~~]] a [[~~transmitter~~]] first diaphragm [[~~(14, 130) arranged~~]] opening in the beam path of the transmitter beam [[~~(8)~~]] to generate a measurement beam [[~~(18)~~]] aligned to the receiver, and [[~~with~~]] comprising a [[~~receiver~~]] second diaphragm opening [[~~(16, 132) arranged~~]] in [[~~the beam~~]] a path of the [[~~measurement~~]] transmitter beam [[~~(18)~~]] to generate a reception beam aligned to the receiver [[~~(6, 108)~~]].

Claim 14 (canceled)

Claim 15 (currently amended): Sensor according to claim 11, [[~~in which the carrier (2, 104) comprises legs (114, 116) which~~]] wherein the first and second legs are of different lengths, [[~~and~~]] the sensor further comprising a temperature sensor arranged on [[~~the~~]] a free end [[~~(120)~~]] of the longer leg [[~~(116)~~]] of the carrier [[~~(2, 104) is arranged a temperature sensor (122)~~]].

Claims 16 and 17 (canceled)

Claim 18 (currently amended): Sensor according to claim 12, [[~~in which the carrier (2, 104) comprises~~]] wherein the first and second legs [[~~(114, 116)~~

~~which~~]] are of different lengths, the sensor further comprising a temperature sensor arranged [[~~and~~]] on a [[~~the~~]] free end [[~~(120)~~]] of the longer leg [[~~(116)~~]] of the carrier [[~~(2, 104) is arranged a temperature sensor (122)~~]].

Claims 19 and 20 (canceled)

Claim 21 (currently amended): Sensor according to claim 13, [[~~in which the carrier (2, 104) comprises~~]] wherein the first and second legs [[~~(114, 116)~~]] [[~~which~~]] are of different lengths, [[~~and~~]] the sensor further comprising a temperature sensor arranged on [[~~the~~]] a free end [[~~(120)~~]] of the longer leg [[~~(116)~~]] of the carrier [[~~(2, 104) is arranged a temperature sensor (122)~~]].

Claims 22-26 (canceled)

Claim 27 (new): The sensor of claim 13 wherein a spacing between the first diaphragm opening and second diaphragm opening of the diaphragm system is greater than the space between the diaphragm system and the transmitter.

Claim 28 (new): The sensor of claim 13 wherein a spacing between the first diaphragm opening and second diaphragm opening of the diaphragm system is greater than the space between the diaphragm system and the receiver.

Claim 29 (new): The sensor of claim 11 wherein the transmitter has a main lobe and wherein the diaphragm system screens at least some areas of the main lobe.

Claim 30 (new): The sensor of claim 12 wherein the receiver has a main lobe and wherein the diaphragm system screens at least some areas of the main lobe..

Claim 31 (new): The sensor of claim 13 wherein the transmitter has a first main lobe, receiver has a second main lobe, and the diaphragm system screens at least some areas of both the first main lobe of the transmitter and the second main lobe of the receiver.